

Date: Sat, 21 Aug 93 01:42:23 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #998  
To: Info-Hams

Info-Hams Digest                      Sat, 21 Aug 93                      Volume 93 : Issue 998

Today's Topics:

          Connectors? UHF NMO N PL-259/SO-239 ...  
          Daily Solar Geophysical Data Broadcast for 20 August  
          Handhelds on airplanes  
          HELP WANTED: TH-78A, W21AT, or F-530 dual bander? (2 msgs)  
          If I call FCC, can they tell me what my new call is?  
          I NEED HELP!!! I tried fixing a 02AT and made it worse!!!  
          IsoLoop Users: Anyone using the IT-1?  
          ORBS#233.2liners  
          Yaesu FT-5100 MODS?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 20 Aug 1993 16:25:36 GMT  
From: olivea!korie!male.EBay.Sun.COM!uranium!raymonda@uunet.uu.net  
Subject: Connectors? UHF NMO N PL-259/SO-239 ...  
To: info-hams@ucsd.edu

In article 6269@spectrum.xerox.com, chen.roch817@xerox.com (Dan Chen) writes:  
.>

.>I recently thought of reusing my old cb mag mount and buying a nice VHF or UHF  
antenna for it, but .>I'm not sure of the type of connector it is. It looks like  
a cross between a PL-259 and a SO-239. .>It has threads on the outside, but  
there's also a pin in the center of the connector. Is this a .>standard  
connector/mounting?

.>  
.>Can someone also briefly describe what a UHF, NMO, and N type connector look

like?  
.>  
.>Thanks!  
.>Dan N2PKE

If it looks like a PL-259 or SO-239 it is UHF

If it has a flat disk like contact it is NMO

If it looks similar to a PL-259 but with a thin pointed center conductor and fine threads on the ring it is type N

Ray, WB6TPU

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-- Opinions are mine only and not those of my employer--  
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\\ \	
\ \ /	
/ \ / /	Raymond E. Anderson
/ / \ \	Signal Integrity Engineer
\\ \ / /	Sun Microsystems
/ / \ /	2550 Garcia Ave. MS MIL04-16
/ \ \	Mountain View, CA 94043-1100
\ \	
\ /	(408) 276-5224
	(408) 263-9512 fax
	raymond.anderson@Sun.Com

-----  
Date: 21 Aug 93 04:32:01 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 20 August  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 232, 08/20/93  
10.7 FLUX=091.6 90-AVG=104 SSN=027 BKI=3233 1221 BAI=009

BGND-XRAY=A7.1 FLU1=1.5E+06 FLU10=1.1E+04 PKI=3233 1221 PAI=007  
BOU-DEV=004,015,021,036,005,013,015,1928 DEV-AVG=254 NT SWF=00:000  
XRAY-MAX= B1.6 @ 0415UT XRAY-MIN= A5.5 @ 1944UT XRAY-AVG= A8.9  
NEUTN-MAX= +003% @ 0650UT NEUTN-MIN= -002% @ 1525UT NEUTN-AVG= +0.2%  
PCA-MAX= +0.1DB @ 1210UT PCA-MIN= -0.3DB @ 1155UT PCA-AVG= -0.0DB  
BOUTF-MAX=55372NT @ 1402UT BOUTF-MIN=55332NT @ 1725UT BOUTF-AVG=55359NT  
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+081,+000,+000  
GOES6-MAX=P:+123NT@ 0519UT GOES6-MIN=N:-070NT@ 1932UT G6-AVG=+100,-009,-049  
FLUXFCST=STD:090,090,085;SESC:090,090,085 BAI/PAI-FCST=005,010,015/007,010,015  
KFCST=2223 3222 2234 4332 27DAY-AP=005,006 27DAY-KP=1112 1221 2221 1212  
WARNINGS=  
ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 19 AUG 93 was 47.0.  
The Full Kp Indices for 19 AUG 93 are: 4- 3o 3o 3o 2o 2- 3- 3-

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Date: 16 Aug 93 20:47:30 GMT  
From: munnari.oz.au!spool.mu.edu!sol.ctr.columbia.edu!news.kei.com!ub!dsinc!  
netnews.upenn.edu!mipg.upenn.edu!yee@network.ucsd.edu  
Subject: Handhelds on airplanes  
To: info-hams@ucsd.edu

>Another way to look at this is from the view of the airlines/airport/govt.  
>1. In these times of terrorism and crazies, is it such a bad tradeoff to  
> inflict a trivial amount of inconvenience, even to a lot of innocent  
> people, to significantly improve the chances of detecting dangerous  
> objects? Sure, you may argue that some actions DON'T significantly  
> improve the chances of detection, but I doubt that we could ever get  
> agreement on that. I, for one, would prefer to be conservative on  
> such safety matters.

Benjamin Franklin once wrote something like, "Those who would trade liberty  
for temporary safety deserves neither liberty nor safety."

Minor compromises in one's rights (in this case, unreasonable search) inevitably  
leads to others. Government is not there for the benefit of the governed; it  
will try to grab power from anywhere it can and keep it.

"Trivial" freedoms are a contradiction in terms. We do know of a way to have  
a totally law abiding society. The New York Times wrote about it on 8/16/93.  
The Soviet Union was VERY law abiding while it was a totalitarian state.

No matter what the "trivial" restrictions are asked for, it will not be enough  
to stop crime so more "trivial" restrictions will be demanded.

--

411 Blockley Hall		Conway Yee, N2JWQ
418 Service Drive		yee@ming.mipg.upenn.edu (preferred)
Philadelphia, PA 19104		cy5@cunixa.cc.columbia.edu (forwarded to above)
(215) 662-6780		

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Date: Fri, 20 Aug 1993 03:35:22 GMT  
From: netcomsv!netcom.com!jfh@decwrl.dec.com  
Subject: HELP WANTED: TH-78A, W21AT, or F-530 dual bander?  
To: info-hams@ucsd.edu

jhong@fnma.com wrote:

>1) For hand held radio, is the 144/440 dual band radio is the best way to  
>go?

That depends on a lot of things. Talk to some hams in your area and find out what bands are most commonly used. When I was looked, I asked around and was told that 2m and 440 were much more popular \*here\* than 220 and 1.2G, but that might not be true wherever you are. There may be nets or capabilities on one band that you want - for example, most of the organized activity here is on 2m, and many of my friends are on 440. If I had gotten a 220 radio, I would have been able to use the Condor net, but that was less important to me.

>Currently, I have two 40-channel walkie-talkies. This type of radio  
>normally is huge (compare to dual band) and can not go very far.

It's probably not a good idea to compare amateur radio to CB.

>2) How far does a hand held dual bander transmit without a repeater or  
>extra configuration? A walkie-talkie goes less than a mile. If a car  
>antenna is provided, it goes less than three miles.

That depends on lots of things. I know people who have gone a few hundred miles, but that was in good conditions, and they were on mountain tops. Location makes a big difference. I can hit the San Francisco repeater from San Jose on my HT, a distance of about 50 miles. Again, ask people in your area.

>3) Comparing Kenwood TH-78A, icom W21AT, and Yasue F-530 dual banders,  
>which one is the best (in terms of range, function, newer technology,  
>price/performance, expendability)? Or, will you suggest anything else  
>(e.g. single band)?

I suspect that it's more a matter of personal preference than anything else. Different people like different things. I bought the FT-530 partly because it had a clock. The Kenwood has lots of memories, but had some counterbalancing disadvantages. You just have to try them. By the way, you might also look at the Alinco DJ-580.

>4) Where can I get a cheap dual bander (144/440)? Is there a used ham  
>market place?

Amateur Electronic Supply has a some used equipment, and I suspect that the other mail order houses also do. You can also try ham radio swap meets.

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Jack Hamilton        jfh@netcom.com        kd6ttl@n0ary.#nocal.ca.us.na (AMPR)  
Post Office Box Box 281107                San Francisco, California 94128 USA  
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Date: Fri, 20 Aug 1993 03:04:49 GMT  
From: saimiri.primate.wisc.edu!caen!uvaarpa!murdoch!livia.acs.Virginia.EDU!  
jeg7e@ames.arpa  
Subject: HELP WANTED: TH-78A, W21AT, or F-530 dual bander?  
To: info-hams@ucsd.edu

In article <1993Aug19.224311.21714@almserv.uucp> jhong@fnma.com writes:

>

>Dear netter,

>

>I am new to the radio world and plan to buy a hand held dual bander. My  
>questions are:

I STRONGLY suggest you meet Amateur Radio Operators in your area and get to know them and the general 'scene' a LOT better.

>1) For hand held radio, is the 144/440 dual band radio is the best way to  
>go? Currently, I have two 40-channel walkie-talkies. This type of radio  
>normally is huge (compare to dual band) and can not go very far.

I'm assuming you mean a Citizens Band Radio? These radios are an amazing example of regulatory idiocy. They operate on a completely innapropriate band for their licensed modes of operation. In short, don't let ANY of your experience with these radios serve as a basis of your understanding of how VHF/UHF radios might operate.

In short, if your area supports it, 440 is a great area to operate, and there are economies of scale in a dual band radio, as well as some nice

functionality. Dual band handhelds often can double well as scanners of a sort too.

>2) How far does a hand held dual bander transmit without a repeater or >extra configuration? A walkie-talkie goes less than a mile. If a car >antenna is provided, it goes less than three miles.

There is no way to answer this question well since the radio is only one small part of the formula. Your location, height above average terrain, antenna, weather conditions, etc... These all have a major impact in the propagation of your RF energy.

However, I can have a fully quiet FM signal into repeaters located over 50 miles away provided there are no local obstructions like large buildings and such. Simplex from a handheld to a mobile often ranges from 3 to 30 miles.

>3) Comparing Kenwood TH-78A, Icom W21AT, and Yaesu F-530 dual banders, >which one is the best (in terms of range, function, newer technology, >price/performance, expendability)? Or, will you suggest anything else >(e.g. single band)?

Single banders are nice solutions, cheaper than dual banders, smaller too. Depends on your needs. The TH-78A is made by a stereo manufacturer, and is at least a generation behind the times I formerly owned a TH215A and TH75A), the FT530 is nifty, but not as nice a radio as Icom's in general (I own one of these now) Great remote control backlight LCD speaker Microphone though. The Icom seems to suffer from poor audio as a result of cramming too much into too little space, but should be the best \*radio\* of the bunch (I formerly owned a IC-W2A, incredible radio)

>4) Where can I get a cheap dual bander (144/440)? Is there a used ham >market place?

This is what lead me to suggest you get involved with Amateur Radio Operators local to you. I take it you've never heard of HAMfests? These are the 'used ham market place' you speak of.

Best luck es 73!

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 \ \ / Jon Gefaell, Computer Systems Engineer | Amateur Radio - KD4CQY  
 \ \ / Information Technology and Communications | -Will chmod for food-  
 \ / The University of Virginia, Charlottesville | Hacker@Virginia.EDU  
Any opinions expressed herein are not intended to be construed as those of UVA

-----  
Date: Fri, 20 Aug 1993 16:05:45 GMT

From: swrinde!gatech!howland.reston.ans.net!usenet.ins.cwru.edu!ukma!  
rsg1.er.usgs.gov!dgg.cr.usgs.gov!bodoh@network.ucsd.edu  
Subject: If I call FCC, cab they tell me what my new call is?  
To: info-hams@ucsd.edu

In article <1993Aug19.211516.4214@newsgate.sps.mot.com>, Jim Jaskie  
<jim\_jaskie@tempeqm.sps.mot.com> writes:  
|> In article <willmore.745770473@metropolis.gis.iastate.edu> David  
|> Willmore, willmore@iastate.edu writes:  
|> >>Please don't call the FCC. It only slows down the process since instead  
|> >>of processing applications, they must answer phones. Please help them  
|> >>upgrade their system by not slowing them down.  
|>  
|>  
|> How will the FCC know how absolutely disgusted everyone is with their  
|> third world handling of licenses if no one calls them. They probably  
|> think that they are doing a good job (they are part of the government  
|> after all).

While it is tempting to contribute to the government-red-tape bashing, the reality is that the funding for the FCC has been cut to the bone - and amateur licensing is not a reimbursable income as commercial licensing is. I think that one really good way to help them do a better job is to allow them to charge a nominal fee for license handling. Otherwise, you can expect low priority handling as they are not getting any funding for it. I have seen other possible solutions, including offloading the data entry to the VEC's and allow them to charge more for testing - this seems workable to me. The FCC could process applications much faster if they didn't have to do the human-resource intensive data entry. Some have criticized their computer facilities, but I don't care if they're running a 4.77 Mhz 8088 based PC, you simply cannot blame their computers, it is a human resource/funding/priority issue...

--  
+++++  
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, NOY?? (in the mail) +  
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +  
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)  
+  
+ "Welcome back my friends to the show that never ends!" EL&P  
+  
+++++

-----  
Date: 20 Aug 1993 16:57:23 GMT  
From: haven.umd.edu!cs.umd.edu!mojo.eng.umd.edu!chuck@uunet.uu.net

Subject: I NEED HELP!!! I tried fixing a 02AT and made it worse!!!  
To: info-hams@ucsd.edu

In article <2082@arrl.org> bbattles@arrl.org (Brian Battles WS10) writes:  
>

>PS Speaking of ICOM, if anyone is interested, my private, personal opinion  
>is that the ICOM IC-2GAT is THE killer single-band 2-meter hand-held  
>transceiver. Built like a brick, cranks out more than 8.25 watts when fed  
>a diet of 13.8 Vdc, sounds great and has just enough features to make it  
>convenient but not annoyingly complicated. Just my opinion (I reviewed the  
>sucker in Jun '90 QST, p 37).

8 watts xmit is nice, but not very important in a hand held. My big question  
is, "How did the receiver do at Dayton HF?"

Every ham handheld that I have used fails miserably at Dayton HF. They  
are plagued with all sorts of receiver products caused by the wide, overly  
sensitive, low dynamic range front ends they put in these beasts. (I have  
used ICOM 2AT's, 4AT's, 04AT's, and a couple of 2M and 440 Kenwoods belonging  
to friends.)

The only radio I have used that can handle the Dayton environment is my  
ICOM U16 commercial radio. It completely ignores all of the off channel  
signals. But then, it has a track tuned front end.

So, how does the IC-2GAT do at Dayton? Is it always breaking squelch with  
receiver generated products? Or is it quiet until something on channel  
appears?

73,

Chuck Harris - WA3UQV  
chuck@eng.umd.edu

-----  
Date: 21 Aug 1993 00:40:10 GMT  
From: usc!howland.reston.ans.net!gatech!concert!inxs.concert.net!  
cole@network.ucsd.edu  
Subject: IsoLoop Users: Anyone using the IT-1?  
To: info-hams@ucsd.edu

In article <CC0H79.A41@cup.hp.com> genem@cup.hp.com (Gene Marshall) writes:  
>

>I just received a new AEA catalog in the mail and saw the new IT-1  
>Automatic Tuner for the IsoLoop 10-30. Since AES has this in stock  
>already (\$259.95), I guess it's probably not \*that\* new and I was asleep  
>at the switch on this one.



>  
>Anyway, for that price I figured I better check it out first. Anyone on  
>the net use this thing and have any comments? I was wondering if it  
>really tunes it right in for you, or whether it just lets you pre-set 8  
>memories. Also, that large thumbwheel knob looks interesting, but does  
>it account for the 'play' in the mechanics?

I saw this too, and have been meaning to ask about it on the net.

>I don't get any DX on this loop, so I think \$250's going to be hard to  
>justify.

I have yet to purchase the IsoLoop, but am SERIOUSLY considering getting it  
due to antenna restrictions. Could you (or anyone on the net) elaborate as  
to it's performance? I've heard good things and bad things. I guess I'll  
have to get one and see for myself!

73 de KC4WEJ,  
Derrick

--

Day 212 - America Held Hostage (1249 days remaining)

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Derrick Cole                      KC4WEJ                      MCNC Information Technologies

-----  
Date: 21 Aug 93 05:00:21 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS#233.2liners  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-233.N  
2Line Orbital Elements 233.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT  
FROM N3FKV HEWITT, TX August 21, 1993  
BID: \$ORBS-233.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:  
1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCC 00000-0 00000-0 0 DDDZ  
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ  
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN  
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

A0-10

1 14129U 83 58 B 93231.75179754 -.000000065 00000-0 99999-4 0 211  
 2 14129 27.0569 10.1473 6021794 107.1044 324.1194 2.05882262 76574  
 UO-11  
 1 14781U 84 21 B 93223.60658007 .000000198 00000-0 37632-4 0 4287  
 2 14781 97.8094 247.5503 0011577 173.9570 186.1778 14.69038330504856  
 RS-10/11  
 1 18129U 87 54 A 93229.83827171 .000000088 00000-0 89554-4 0 6401  
 2 18129 82.9234 193.0392 0012481 139.9196 220.2871 13.72321881308304  
 AO-13  
 1 19216U 88 51 B 93226.17818333 -.000000104 00000-0 20752-2 0 6325  
 2 19216 57.8443 300.3381 7221606 321.8002 4.7665 2.09725131 39572  
 FO-20  
 1 20480U 90 13 C 93225.78913214 -.000000014 00000-0 -31207-5 0 4533  
 2 20480 99.0306 71.0468 0540659 316.2348 39.7057 12.83220466164708  
 AO-21  
 1 21087U 91 6 A 93231.81561965 .000000084 00000-0 82656-4 0 8298  
 2 21087 82.9426 5.7317 0034611 202.3434 157.6192 13.74523755128180  
 RS-12/13  
 1 21089U 91 7 A 93229.07106723 .000000017 00000-0 11162-4 0 4132  
 2 21089 82.9219 236.9625 0027660 234.9376 124.9185 13.74025364126881  
 ARSENE  
 1 22654U 93 31 B 93220.71127607 -.000000049 00000-0 99999-4 0 198  
 2 22654 1.1442 124.5650 2935408 146.5525 234.2699 1.42202880 1323  
 UO-14  
 1 20437U 90 5 B 93231.26605416 .000000047 00000-0 25969-4 0 7622  
 2 20437 98.6123 314.8397 0011366 2.8372 357.2872 14.29787542186447  
 AO-16  
 1 20439U 90 5 D 93231.26352572 .000000035 00000-0 21509-4 0 5672  
 2 20439 98.6190 315.7747 0011719 3.1468 356.9786 14.29846065186451  
 DO-17  
 1 20440U 90 5 E 93231.24698108 .000000040 00000-0 23273-4 0 5698  
 2 20440 98.6203 315.9886 0011881 2.7769 357.3478 14.29982418186460  
 WO-18  
 1 20441U 90 5 F 93231.70717307 .000000036 00000-0 21472-4 0 5710  
 2 20441 98.6201 316.4658 0012362 1.8628 358.2599 14.29961627186532  
 LO-19  
 1 20442U 90 5 G 93231.70504863 .000000040 00000-0 23226-4 0 5682  
 2 20442 98.6204 316.6519 0012713 1.0517 359.0693 14.30052236186547  
 UO-22  
 1 21575U 91 50 B 93231.75449411 .000000051 00000-0 24349-4 0 2678  
 2 21575 98.4693 306.8326 0008484 106.0767 254.1336 14.36845142109798  
 KO-23  
 1 22077U 92 52 B 93231.33196579 -.000000000 00000-0 99999-4 0 1113  
 2 22077 66.0824 191.9814 0000444 137.4733 222.6319 12.86279631 47965  
 NOAA-9  
 1 15427U 84123 A 93231.78366715 .000000099 00000-0 62853-4 0 4416  
 2 15427 99.0967 273.0498 0015292 352.8514 7.2451 14.13539534447766  
 NOAA-10

1 16969U 86 73 A 93231.76299227 .000000070 00000-0 38002-4 0 2837  
 2 16969 98.5142 244.8897 0013905 126.3373 233.9093 14.24828078359681  
 MET-2/17  
 1 18820U 88 5 A 93232.28298461 .000000053 00000-0 42440-4 0 8792  
 2 18820 82.5464 147.9442 0016147 312.2366 47.7421 13.84691111280711  
 MET-3/2  
 1 19336U 88 64 A 93232.23669589 .000000043 00000-0 99999-4 0 532  
 2 19336 82.5426 176.6306 0016008 298.8112 61.1449 13.16960545243640  
 NOAA-11  
 1 19531U 88 89 A 93231.83247056 .000000117 00000-0 73529-4 0 1929  
 2 19531 99.1371 208.9043 0010875 261.3666 98.6298 14.12907284252669  
 MET-2/18  
 1 19851U 89 18 A 93231.97362886 .000000026 00000-0 18224-4 0 8175  
 2 19851 82.5176 24.0587 0014436 357.8314 2.2781 13.84341635226019  
 MET-3/3  
 1 20305U 89 86 A 93232.20619064 .000000043 00000-0 99999-4 0 7262  
 2 20305 82.5531 119.7202 0016132 321.9262 38.0719 13.16022429183523  
 MET-2/19  
 1 20670U 90 57 A 93232.09090408 -.000000005 00000-0 -93519-5 0 5697  
 2 20670 82.5462 87.6397 0014684 275.8136 84.1357 13.84178452158969  
 FY-1/2  
 1 20788U 90 81 A 93229.94982459 -.000000184 00000-0 -11051-3 0 6159  
 2 20788 98.8591 254.4701 0016811 133.3562 226.9008 14.01294476151237  
 MET-2/20  
 1 20826U 90 86 A 93230.95013143 .000000032 00000-0 23706-4 0 5739  
 2 20826 82.5225 26.4432 0012759 168.8617 191.2828 13.83556036145962  
 MET-3/4  
 1 21232U 91 30 A 93230.45642473 .000000043 00000-0 99999-4 0 3928  
 2 21232 82.5430 23.6121 0012675 218.6024 141.4231 13.16451645111525  
 NOAA-12  
 1 21263U 91 32 A 93231.76315203 .000000177 00000-0 88271-4 0 6491  
 2 21263 98.6545 260.6933 0013797 33.2603 326.9449 14.22300920117689  
 MET-3/5  
 1 21655U 91 56 A 93230.27606428 .000000043 00000-0 99999-4 0 4498  
 2 21655 82.5514 330.6565 0012248 238.6146 121.3757 13.16822784 96598  
 NOAA-13  
 1 22739U 93 50 A 93230.54120631 -.000000471 00000-0 -25277-3 0 169  
 2 22739 98.9098 171.7273 0008895 253.5930 106.4339 14.10846522 1283  
 MIR  
 1 16609U 86 17 A 93231.45771588 .00007206 00000-0 92737-4 0 2469  
 2 16609 51.6185 261.7152 0004581 1.4840 358.5862 15.59314826429005  
 HUBBLE  
 1 20580U 90 37 B 93231.87227138 .000000744 00000-0 63073-4 0 1619  
 2 20580 28.4699 13.8024 0004471 356.3637 3.6989 14.92800568181044  
 GRO  
 1 21225U 91 27 B 93231.25637020 .00015741 00000-0 98782-4 0 9664  
 2 21225 28.4699 196.4467 0009011 305.5310 54.4465 15.75165832 10065  
 TUBSAT

1 21577U 91 50 D 93231.12993875 .00000041 00000-0 20886-4 0 2726  
2 21577 98.4670 305.7444 0007322 107.6605 252.5385 14.36389314109679  
SARA  
1 21578U 91 50 E 93232.23149083 .00000293 00000-0 10966-3 0 4418  
2 21578 98.4756 308.7353 0005836 105.5716 254.6116 14.38499958109937  
UARS  
1 21701U 91 63 B 93223.65499224 -.00002546 00000-0 -21356-3 0 2532  
2 21701 56.9833 319.1315 0004184 93.3539 266.8018 14.96217004104605  
FREJA  
1 22161U 92 64 A 93232.25259642 .00000159 00000-0 98830-4 0 1468  
2 22161 62.9981 333.7799 0772166 288.5116 63.3570 13.21655334 42025  
/EX  
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Date: Fri, 20 Aug 93 00:00:44 CDT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!library.ucla.edu!ddsw1!cronos!  
n9tlv@network.ucsd.edu  
Subject: Yaesu FT-5100 MODS?  
To: info-hams@ucsd.edu

Hello all,  
I am looking for any Yaesu FT-5100 MODS for a new radio.

Thanks,  
Mike

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Date: Fri, 20 Aug 1993 08:34:30 GMT  
From: mcsun!dkuug!login.dkuug.dk!ct@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Aug17.005612.27790@infonode.ingr.com>,  
<1993Aug17.134344.7129@titan.ksc.nasa.gov>,  
<1993Aug18.173649.4719@infodev.cam.ac.uk>)  
Subject : Re: Alpha Bravo Charlie - Russian?

bck1@cl.cam.ac.uk (Brian Kelk) writes:

>In article <1993Aug17.134344.7129@titan.ksc.nasa.gov> dave-crawford@ksc.nasa.gov  
(David E. Crawford) writes:  
>>Anyone know what the Russian phonetics for the cyrillic alphabet are?  
>>  
>>David.

>I've been told of an alphabet which goes something like

>this:

> Anna, Boris, Vasiliy, Galina, Dmitri, Elena, Zhuk, Zoya, Ivan,  
> Ivan kratkiy, Kilovatt, Leonid, Maria, Nikolai, Olga, Piotr,  
> Roman, Sergei, Tamara, Uliana, Fiodor, Hariton, Tsenttr, Chelovek,  
> Shura, Schuka, Tviordiy Znak, Znak (for Miagkiy Znak), Eduard,  
> Yuri, Yakov.

I got a list from the Soviet Amateur Radio Club several  
years ago. It is identical to the one mentioned above with  
the following exceptions:

G - Grigoriy  
Zh - Zhenya  
Z - Zinaida  
K - Konstantin  
M - Mikhail  
P - Pavel  
E - Ekho

Claus Tondering  
Lyngby, Denmark  
ct@login.dkuug.dk

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Date: 20 Aug 93 14:38:11 GMT  
From: swrinde!cs.utexas.edu!math.ohio-state.edu!sol.ctr.columbia.edu!news.kei.com!  
ub!dsinc!netnews.upenn.edu!gopher.cs.uofs.edu!triangle.cs.uofs.edu!  
bill@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1993Aug18.185159.9736@pixar.com>, <250043\$h3e@charm.magnus.acs.ohio-  
state.edu>, <CC0r4s.FCu@cbnewsm.cb.att.com>upenn.ed  
Subject : Re: A strange thing that happens when you are learning code

In article <CC0r4s.FCu@cbnewsm.cb.att.com>, hellman@cbnewsm.cb.att.com  
(eric.s.hellman) writes:  
|> Beethoven had written 4 symphonies and he needed a fresh idea for number V  
|> (Roman numeral)... so...he figured, why not ??? DiDiDiDaaah !!!!  
|> (Why do think it's called the 5th?)  
|>

I don't know why it's called the fifth other than the fact that it was the 5th  
one he wrote.  
However the connection between the main beat of Beethoven's 5th and Samuel F. B.  
Morse's code is specious at best. Beethoven published his 5th in 1812. Morse  
first concieved the idea of the telegraph while travelling on the packet ship

Sully in 1832. It was a number of years later before he published what was to become known as Morse Code. Although it is possible that Morse based the letter V on Beethoven's rhythm, it is highly unlikely that there is any real connection between them at all.

Unless of course someone can provide reliable published data to the contrary.

bill KB3YV

PS. It should be obvious from the myriad postings under this thread that any association with CW at all does cause brain damage. ;-)

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Bill Gunshannon	"There are no evil thoughts, Mr. Rearden" Francisco
bill@cs.uofs.edu	said softly, "except one; the refusal to think."
University of Scranton	
Scranton, Pennsylvania	#include <std disclaimer.h>

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End of Info-Hams Digest V93 #998

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